



ASSISTANT SECRETARY OF DEFENSE

WASHINGTON, D.C. 20301-3040

April 30, 1992

COMMAND, CONTROL,
COMMUNICATIONS
AND
INTELLIGENCE

MEMORANDUM FOR SECRETARIES OF THE MILITARY DEPARTMENTS
ATTN: SERVICE ACQUISITION EXECUTIVES
DIRECTOR, DEFENSE INTELLIGENCE AGENCY
DIRECTOR, DEFENSE MAPPING AGENCY
DIRECTOR, NATIONAL SECURITY AGENCY
DIRECTOR, JOINT STAFF

SUBJECT: Development, Procurement and Employment of DoD Global Positioning System (GPS) User Equipment

Recent events have highlighted the need to update and clarify guidance on the development, procurement and employment of DoD GPS user equipment. The objectives of such guidance are to: 1) preclude duplication of user equipment development efforts and unnecessary associated costs by concentrating the development and acquisition of GPS user equipment at the GPS Joint Program Office (JPO), 2) enable the DoD to benefit from existing designs and lessons learned from a diverse integration and installation experience base, 3) promote systematic procurement of GPS user equipment in economic order quantities, 4) support employment of GPS as the only radionavigation system to be used by DoD aircraft for departure, enroute navigation and non-precision approach to landing in the national airspace system and 5) preserve the military competitive advantage and force enhancement capabilities derived from direct access to the GPS Precise Positioning Service (PPS). Accordingly, I am updating and consolidating applicable guidance as follows:

- a. Except for Congressional exemptions (range instrumentation, advanced technology, mapping, special forces and classified applications), develop and procure all DoD GPS common user equipment through the GPS JPO. Waiver requests for special applications should be submitted to this office through Service Acquisition Executives on a case-by-case basis.
- b. Employ PPS user equipment incorporating both Selective Availability and Anti-Spoofing features to support combat operations. I will consider waiver requests submitted by Service Acquisition Executives for use of Standard Positioning Service (SPS) user equipment in specific platforms or application categories which do

not involve combat operations and which do not require direct PPS accuracy (e.g., test and evaluation, survey, training, etc.). Waiver requests for non-combat aircraft navigating in the National Airspace System should affirm that the commercial SPS equipment performs in accordance with DoD GPS Minimum Avionics Requirements and that use of such equipment will neither force the DoD to compromise the combat employment of PPS systems nor extend its requirements for other radionavigation aids to supplement GPS.

c. Coordinate the development and procurement of all PPS equipment and PPS security devices, including that for special applications, with the GPS JPO. A joint security management plan, recently concluded between the Air Force and the National Security Agency, specifies the JPO as the single DoD focal point for development and integration of PPS security devices and for dissemination of PPS technical security requirements and implementation guidelines. Therefore, coordination with the JPO is necessary to ensure that GPS technical security requirements are satisfied.

Additionally, to ensure that an up-to-date record exists of all ongoing and planned GPS user equipment development and procurement within the DoD, all addressees are requested to identify such efforts (including cost, schedule, quantities and point of contact) to the GPS JPO by June 30, 1992. The GPS JPO is located at Space Systems Division/MZ, P.O. Box 92960, Los Angeles AFB, CA 90009-2960. Such information will be an important input to a required presentation of future GPS user equipment production plans for the DoD. If no such activities are ongoing or planned, then please so advise the JPO.

GPS was developed by the DoD to improve the effectiveness of our military forces and to eliminate DoD reliance on other radionavigation aids. These objectives require consistent, systematic GPS implementation across the DoD if they are to be realized. The above provisions are intended to provide the framework for such implementation as GPS is incorporated into day-to-day DoD mission use.



Duane P. Andrews